

B2
6. (amended) A method of preparing an aviation gasoline composition possessing a high motor octane number and containing reduced amounts of tetraethyl lead comprising blending about 20 to about 80 vol% iso-octane, about 5 to about 18 vol% toluene, about 1 to about 20 vol% C₄ to C₅ paraffins, greater than 0 to about 1 ml tetraethyl lead/gallon of said aviation gasoline composition and the balance comprising light alkylate.

B3
16. (twice amended) A method of preparing a reduced lead content aviation gasoline composition while maintaining a high motor octane number comprising, blending an aviation gasoline composition with iso-octane, and, optionally, toluene, wherein, the reduced lead aviation gasoline composition comprises about 20 to about 80 vol% iso-octane, about 5 to about 18 vol% toluene, 1 to about 20 vol% C₄ to C₅ paraffins, greater than 0 to about 1 ml tetraethyl lead/gallon of said reduced lead aviation gasoline composition and the balance comprising light alkylate.